

WHAT IS CLAIMED IS:

1. An implantable pulse generator, comprising:

a pulse generation circuit;

a processor connected to control the pulse generation
5 circuit;

a memory connected to the processor, the memory operable
to store at least two treatment-protocol programs, each
program having at least one stimulation setting, and at least
one of the programs having a plurality of stimulation
10 settings; and

a power component configured to supply power to the pulse
generation circuit, the processor, and the memory.

2. The implantable pulse generator of claim 1, further
comprising a receiver connected to communicate with the
15 processor, the receiver being configured to receive wireless
programming signals.

3. The implantable pulse generator of claim 1, wherein
the power component comprises a receiver for receiving an
externally-generated power signal.

4. The implantable pulse generator of claim 1, wherein the pulse generation circuit is connected to deliver stimulus pulses to epidurally or surgically implanted leads.

5. The implantable pulse generator of claim 1, wherein
5 the treatment-protocol programs are independently selectable.

6. The implantable pulse generator of claim 1, wherein one of the treatment-protocol programs is designated as a default treatment-protocol program.

7. The implantable pulse generator of claim 1, wherein
10 the treatment-protocol programs can be programmed and selected by an external programmer.

8. A method for programming a stimulation device, comprising:

placing an implantable pulse generator in a programming mode using an external programming device; and

5 sending at least two treatment protocol programs from the external programming device to the implantable pulse generator, wherein the treatment protocol programs are stored in a memory in the implantable pulse generator, and wherein each treatment protocol program is associated with at least
10 one stimulation setting, and at least one of the programs is associated with a plurality of stimulation settings.

9. The method of claim 8, further comprising verifying that the treatment protocol programs were correctly stored.

10. The method of claim 8, further comprising
15 designating an access code for treatment protocol programs.

11. The method of claim 8, further comprising receiving an externally-generated power signal.

12. The method of claim 8, wherein the treatment-protocol programs are independently selectable.

13. The method of claim 8, wherein one of the treatment-protocol programs is designated as a default treatment-protocol program.

14. The method of claim 8, wherein the treatment-
5 protocol programs can be thereafter selected by an external programmer.

15. A method for operating a stimulation device,
comprising:

placing an implantable pulse generator in an activated
mode using an external programming device; and

5 sending a program-selection signal to the implantable
pulse generator by the external programming device, wherein
the implantable pulse generator stores at least two treatment
protocol programs, each treatment protocol program being
associated with at least one stimulation setting, and at least
10 one of the programs being associated with a plurality of
stimulation settings;

thereafter controlling the operation of the implantable
pulse generator by the external programming device.

16. The method of claim 15, further comprising
15 delivering a power signal to the implantable pulse generator
by the external programming device.

17. The method of claim 15, wherein the external
programming device communicates with the implantable pulse
generator using a radio-frequency signal.

20 18. The method of claim 15, wherein the external
programming device can control the pulse amplitude parameters
of the pulses generated by the implantable pulse generator.

19. The method of claim 15, wherein the program selection signal designates which of the treatment protocol programs is to be executed by the implantable pulse generator.

20. The method of claim 15, wherein the external
5 programming device is operated by a patient in whom the implantable pulse generator is implanted.